#6

OIPE

2-6-02

RAW SEQUENCE LISTING　　　　　　　　DATE: 12/17/2001
PATENT APPLICATION:　US/09/902,713　　TIME: 15:23:39

Input Set : N:\Crf3\RULE60\09902713.txt
Output Set: N:\CRF3\12172001\I902713.raw

RECEIVED JAN 2 4 2002 TECH CENTER 1600/2900

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 3 <110> APPLICANT: Genentech, Inc.
 4         Ashkenazi, Avi
 5         Botstein, David
 6         Desnoyers, Luc
 7         Eaton, Dan L.
 8         Ferrara, Napoleone
 9         Filvaroff, Ellen
10         Fong, Sherman
11         Gao, Wei-Qiang
12         Gerber, Hanspeter
13         Gerritsen, Mary E.
14         Goddard, A.
15         Godowski, Paul J.
16         Grimaldi, Christopher J.
17         Gurney, Austin L.
18         Hillan, Kenneth, J.
19         Kljavin, Ivar J.
20         Mather, Jennie P.
21         Pan, James
22         Paoni, Nicholas F.
23         Roy, Margaret Ann
24         Stewart, Timothy A.
25         Tumas, Daniel
26         Williams, P. Mickey
27         Wood, William, I.
29 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
30         Acids Encoding the Same
32 <130> FILE REFERENCE: 10466-14
34 <140> CURRENT APPLICATION NUMBER: 09/902,713
35 <141> CURRENT FILING DATE: 2001-07-10
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55 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944
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59 <151> PRIOR FILING DATE: 1999-09-15
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PATENT APPLICATION: US/09/902,713   TIME: 15:23:39

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108   gccggaggcc gccaagaagc cgacgccctg ccaccggtgc cggggggctgg 250
110   tggacaagtt taaccagggg atggtggaca ccgcaaagaa gaactttggc 300
112   ggcgggaaca cggcttggga ggaaaagacg ctgtccaagt acgagtccag 350
114   cgagattcgc ctgctggaga tcctggaggg gctgtgcgag agcagcgact 400
116   tcgaatgcaa tcagatgcta gaggcgcagg aggagcacct ggaggcctgg 450
118   tggctgcagc tgaagagcga atatcctgac ttattcgagt ggttttgtgt 500
120   gaagacactg aaagtgtgct gctctccagg aacctacggt cccgactgtc 550
122   tcgcatgcca gggcggatcc cagaggccct gcagcgggaa tggccactgc 600
124   agcggagatg ggagcagaca gggcgacggg tcctgccggt gccacatggg 650
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128   tccggaacga gacccacagc atctgcacag cctgtgacga gtcctgcaag 750
130   acgtgctcgg gcctgaccaa cagagactgc ggcgagtgtg aagtgggctg 800
132   ggtgctggac gagggcgcct gtgtggatgt ggacgagtgt gcggccgagc 850
134   cgcctccctg cagcgctgcg cagttctgta agaacgccaa cggctcctac 900
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138   aggaaactgt aaagagtgta tctctggcta cgcgagggag cacggacagt 1000
140   gtgcagatgt ggacgagtgc tcactagcag aaaaaacctg tgtgaggaaa 1050
142   aacgaaaact gctacaatac tccagggagc tacgtctgtg tgtgtcctga 1100
144   cggcttcgaa gaaacggaag atgcctgtgt gccgccggca gaggctgaag 1150
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RAW SEQUENCE LISTING   DATE: 12/17/2001
PATENT APPLICATION: US/09/902,713   TIME: 15:23:39

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Output Set: N:\CRF3\12172001\I902713.raw

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154  gcctgctctc taacggttga ttctcatttg tcccttaaac agctgcattt 1350
156  cttggttgtt cttaaacaga cttgtatatt ttgatacagt tctttgtaat 1400
158  aaaattgacc attgtaggta atcaggagga aaaaaaaaaa aaaaaaaaaa 1450
160  aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
162  gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
164  tcacaaattt cacaaataaa gcattttttt cactgcattc tagttgtggt 1600
166  ttgtccaaac tcatcaatgt atcttatcat gtctggatcg ggaattaatt 1650
168  cggcgcagca ccatggcctg aaataacctc tgaaagagga acttggttag 1700
170  gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg tcagttaggg 1750
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174  ctcaattagt cagcaaccca gtttt 1825
176  <210> SEQ ID NO: 2
177  <211> LENGTH: 353
178  <212> TYPE: PRT
179  <213> ORGANISM: Homo Sapien
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185  Leu Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro
186              20                  25                  30
188  Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
189              35                  40                  45
191  Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp
192              50                  55                  60
194  Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
195              65                  70                  75
197  Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
198              80                  85                  90
200  Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp
201              95                  100                 105
203  Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
204              110                 115                 120
206  Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
207              125                 130                 135
209  Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
210              140                 145                 150
212  Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
213              155                 160                 165
215  Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
216              170                 175                 180
219  Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
220              185                 190                 195
222  Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
223              200                 205                 210
225  Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
226              215                 220                 225
228  Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
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231  Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr
232                  245              250              255
234  Cys Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly
235                  260              265              270
237  Pro Gly Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His
238                  275              280              285
240  Gly Gln Cys Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr
241                  290              295              300
243  Cys Val Arg Lys Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr
244                  305              310              315
246  Val Cys Val Cys Pro Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys
247                  320              325              330
249  Val Pro Pro Ala Glu Ala Glu Ala Thr Glu Gly Glu Ser Pro Thr
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255  <210> SEQ ID NO: 3
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257  <212> TYPE: DNA
258  <213> ORGANISM: Homo Sapien
260  <400> SEQUENCE: 3
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263   tagagatccc tcgacctcga cccacgcgtc cgccaggccg ggaggcgacg 100
265   cgcccagccg tctaaacggg aacagccctg gctgagggag ctgcagcgca 150
267   gcagagtatc tgacggcgcc aggttgcgta ggtgcggcac gaggagtttt 200
269   cccggcagcg aggaggtcct gagcagcatg gcccggagga gcgccttccc 250
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273   gggcggaggc cgggccgccg caggaggaga gcctgtacct atggatcgat 350
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277   ttcagagggg aaaatggcac ctttttacaca tgatttcaga aaagcgcaac 450
279   agagaatgcc agctattcct gtcaatatcc attccatgaa ttttacctgg 500
281   caagctgcag ggcaggcaga atacttctat gaattcctgt ccttgcgctc 550
284   cctggataaa ggcatcatgg cagatccaac cgtcaatgtc cctctgctgg 600
286   gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt 650
288   ggaaaacagg atggggtggc agcatttgaa gtggatgtga ttgttatgaa 700
290   ttctgaaggc aacaccattc tccaaacacc tcaaaatgct atcttctta 750
292   aaacatgtca acaagctgag tgcccaggcg ggtgccgaaa tggaggcttt 800
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296   ctgtgagaaa gccctttgta ccccacgatg tatgaatggt ggactttgtg 900
298   tgactcctgg tttctgcatc tgcccacctg gattctatgg agtgaactgt 950
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302   ccctggaaaa tgtatttgcc ctccaggact agagggagag cagtgtgaaa 1050
304   tcagcaaatg cccacaaccc tgtcgaaatg gaggtaaatg cattggtaaa 1100
306   agcaaatgta agtgttccaa aggttaccag ggagacctct gttcaaagcc 1150
308   tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaacccaaca 1200
310   aatgccaatg tcaagaaggt tggcatggaa gacactgcaa taaaaggtac 1250
312   gaagccagcc tcatacatgc cctgaggcca gcaggcgccc agctcaggca 1300
314   gcacacgcct tcacttaaaa aggccgagga gcggcgggat ccacctgaat 1350
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RAW SEQUENCE LISTING   DATE: 12/17/2001
PATENT APPLICATION: US/09/902,713   TIME: 15:23:39

Input Set : N:\Crf3\RULE60\09902713.txt
Output Set: N:\CRF3\12172001\I902713.raw

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320  cattacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
322  actgagctga tatttactct tccttttaag ttttctaagt acgtctgtag 1550
324  catgatggta tagattttct tgtttcagtg ctttgggaca gattttatat 1600
326  tatgtcaatt gatcaggtta aaattttcag tgtgtagttg gcagatattt 1650
328  tcaaaattac aatgcattta tggtgtctgg gggcagggga acatcagaaa 1700
330  ggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg atggtgcagt 1750
332  taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
334  ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
336  tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
338  ttacactgtg gtagtggcat ttaaacaata taatatattc taaacacaat 1950
340  gaaatageca atataatgta tgaacttttt gcattggctt gaagcaatat 2000
342  aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
344  tttgtatgta taaaataaag gtgctgcttt agtttttttgg aaaaaaaaaa 2100
346  aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgc gactctagag 2150
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353  <210> SEQ ID NO: 4
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363                   20                  25                  30
365  Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
366                   35                  40                  45
368  Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
369                   50                  55                  60
371  Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln
372                   65                  70                  75
374  Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
375                   80                  85                  90
377  Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser
378                   95                  100                 105
380  Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
381                   110                 115                 120
383  Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln
384                   125                 130                 135
386  Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
387                   140                 145                 150
389  Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu
390                   155                 160                 165
392  Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala
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395  Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg
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VERIFICATION SUMMARY   DATE: 12/17/2001
PATENT APPLICATION: US/09/902,713   TIME: 15:23:40

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L:660  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:981  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:2197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:4669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:5254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:6950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:7130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
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RAW SEQUENCE LISTING   DATE: 01/10/2002
PATENT APPLICATION: US/09/902,713B   TIME: 13:39:18

Input Set : **D:\sequence listing.txt**
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 4        Ashkenazi, Avi
 5        Botstein, David
 6        Desnoyers, Luc
 7        Eaton, Dan L.
 8        Ferrara, Napoleone
 9        Filvaroff, Ellen
10        Fong, Sherman
11        Gao, Wei-Qiang
12        Gerber, Hanspeter
13        Gerritsen, Mary E.
14        Goddard, A.
15        Godowski, Paul J.
16        Grimaldi, Christopher J.
17        Gurney, Austin L.
18        Hillan, Kenneth, J.
19        Kljavin, Ivar J.
20        Mather, Jennie P.
21        Pan, James
22        Paoni, Nicholas F.
23        Roy, Margaret Ann
24        Stewart, Timothy A.
25        Tumas, Daniel
26        Williams, P. Mickey
27        Wood, William, I.
29 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
30        Acids Encoding the Same
32 <130> FILE REFERENCE: 10466-14
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C--> 35 **<141> CURRENT FILING DATE: 2001-12-18**
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40 <150> PRIOR APPLICATION NUMBER: US 60/143,048
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43 <150> PRIOR APPLICATION NUMBER: US 60/145,698
44 <151> PRIOR FILING DATE: 1999-07-26
46 <150> PRIOR APPLICATION NUMBER: US 60/146,222
47 <151> PRIOR FILING DATE: 1999-07-28
49 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594
50 <151> PRIOR FILING DATE: 1999-09-08
52 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944
53 <151> PRIOR FILING DATE: 1999-09-13
55 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
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59 <151> PRIOR FILING DATE: 1999-09-15
61 <150> PRIOR APPLICATION NUMBER: PCT/US99/23089
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RAW SEQUENCE LISTING   DATE: 01/10/2002
PATENT APPLICATION: US/09/902,713B   TIME: 13:39:18

Input Set : **D:\sequence listing.txt**
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64 <150> PRIOR APPLICATION NUMBER: PCT/US99/28214
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83 <151> PRIOR FILING DATE: 1999-12-20
84 <150> PRIOR APPLICATION NUMBER: PCT/US00/00219
85 <151> PRIOR FILING DATE: 2000-01-05
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ERRORED SEQUENCES

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5298 <220> FEATURE:
5299 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
5300       oligonucleotide probe
5302 <400> SEQUENCE: 173
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VERIFICATION SUMMARY   DATE: 01/10/2002
PATENT APPLICATION: **US/09/902,713B**   TIME: 13:39:22

Input Set : **D:\sequence listing.txt**
Output Set: **N:\CRF3\01102002\I902713B.raw**

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L:35 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:3586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:4040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:5303 M:254 E: No. of Bases conflict, LENGTH:Input:42 Counted:43 SEQ:173
L:5344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:5479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:6540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
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